

Notes - Working with Percents - Part 1

- To turn a % into a decimal, Move the decimal point 2 spaces left ($\div 100$)


Ex: $35\% \Rightarrow 0.35$
 $7.8\% \Rightarrow 0.078$
 $106\% \Rightarrow 1.06$

- To turn a decimal into a %, Move the decimal point 2 spaces right ($\times 100$)

Ex: $0.2 \Rightarrow 20\%$
 $0.0054 \Rightarrow 0.54\%$
 $1.38 \Rightarrow 138\%$

- Percents and Fractions

$$\frac{\text{Part}}{\text{Whole}} = \text{decimal}$$

Ex:  What % is shaded?
 $\frac{3}{8} = 0.375 \Rightarrow 37.5\%$

Mental Tricks

- 50% = Cut # in half ($\div 2$)
- 25% = Cut # into quarters ($\div 4$)
- $33\frac{1}{3}\%$ = Cut # into thirds ($\div 3$)
- 10% = Move the decimal point one unit left
- 1% = Move the decimal point two units left